

WASTE ANALYSIS DECISION

☐ Initial ☐ Renewal

APPROVAL SIGNATURES

<u>Don Venturini</u> Laboratory - Print	<u>[Signature]</u> Sign	<u>6/9/11</u> Date
<u>EVONNE M. MASELLO</u> Safety - Print	<u>[Signature]</u> Sign	<u>6/9/11</u> Date
<u>VINCENT WAGGLE</u> Environmental - Print	<u>[Signature]</u> Sign	<u>6/9/11</u> Date
<u>Stephen Lora</u> Operations - Print	<u>[Signature]</u> Sign	<u>6/9/11</u> Date

COMMENTS

Type Text

☐ Conditional Acceptance

Conditions for acceptance:

W334353

WASTE ANALYSIS RESULTS

Identification	Measured Value	Possible Waste Codes	Total Constituent Analysis	TCLP
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A. ANIONS

Bromide, PERCENT	<0.1
Chloride, PERCENT	<0.1
Fluoride, PERCENT	<0.1
Iodine, PERCENT	<0.1
Sulfur, PERCENT	<0.1
Sulfides, PPM	<20
Cyanides, PPM	<20

B. METALS

			SOLID Mg/Kg	LIQUID Mg/l
Antimony, PPM	<50			
Arsenic, PPM	29	D004 ARSENIC	100	5.0
Barium, PPM	<50	D005 BARIUM	2000	100
Beryllium, PPM	<5			
Cadmium, PPM	<1	D006 CADMIUM	20	1.0
Calcium, PPM	113467			
Calcium, PPM	130125			
Chromium, PPM	12	D007 CHROMIUM	100	5.0
Copper, PPM	<50			
Lead, PPM	34	D008 LEAD	100	5.0
Lithium, PPM	<50			
Mercury, PPM	1.3	D009 MERCURY	4	0.2
Nickel, PPM	70			
Phosphorous, PPM	176			
Potassium, PPM	366			
Potassium, PPM	79849			
Selenium, PPM	<1	D010 SELENIUM	20	1.0
Silver, PPM	<5	D011 SILVER	100	5.0
Sodium, PPM	1345			
Thallium, PPM	<10			
Zinc, PPM	<50			

C. PHYSICAL PROPERTIES

Flashpoint, DEGREES F	NA
Btu/lb, BTU/LB	<200
Water, PERCENT	17
Viscosity, CENTIPOISE	NA
Ash, PERCENT	93.4
Density, G/ML	NA
pH, STD. UNITS	NA
Settleable Solids, PERCENT	NA
PCB Total, PPM	NA
Paint Filter	PAS

D. REACTIVITY

Water	NO
Acid	YES
Alkali	NO
Oxidizers, PPM	<100

E. FREONS

Dichlorodifluoromethane
Trichlorofluoromethane

E. FREONS
Bromoform

GENERATOR INFORMATION

Name: SUNOCO INCORPORATED REFINERY
Address (site): 3144 PASSYUNK AVENUE PHILADELPHIA, PA 19145 UNITED STATES
Address (mail): Same
US EPA ID: PAD049791098
Regulatory Status: LARGE QUANTITY
Technical Contact: JUDY BRACKIN **Phone:** (215)339-2143
Short Name: SRPP

WASTESTREAM INFORMATION - GENERAL

Common Name: PETROLEUM REFINERY PRIMARY OIL/WATER SLU
Waste Class: 000 - GENERAL STORAGE
Generating Process: PETROLEUM REFINERY PROCESS SEWER SYSTEM
EPA Source Code: G09 - OTHER PRODUCTION OR SERVICE-RELATED PROCESSES...
EPA Form Code: W409 - OTHER ORGANIC SOLIDS (SPECIFY IN COMMENTS)
Physical State @ 70F: SOLID
Odor: NONE
Estimated Annual Volume: 1000LBS
Conditional Approval?: N

MANAGEMENT SYSTEM ASSIGNMENTS

<u>Product Code - Desc</u>	<u>Put Away Area</u>	<u>Cont Type</u>
8034 SOLIDS REFINERY BULK	A GENERAL STORAGE	CM

EPA HAZARD CODES

F037

SAFETY INFORMATION

<u>HMIS Information</u>	<u>Description</u>
HEALTH	2* - MODERATE HAZARD-CARCINOGEN
FLAMMABLE	1 - SLIGHT HAZARD
REACTIVE	0 - MINIMAL HAZARD
PPE	J2 - OV SUPER CART-NEOPRENE
* = Carcinogen	
@ = Water Reactive	

COMMENTS
Type Text

ER EMERGENCY RESPONSE TO A HAZARDOUS SOLID. PPE = K6.

PE TYVEK SUIT.

ER - EMERGENCY RESPONSE

PE - PROTECTIVE EQUIPMENT

TRANSPORTATION INFORMATION

Shipping Description: NA3077,HAZARDOUS WASTE, SOLID, N.O.S.,9,PGIII,(BENZENE),ERG#171

HERITAGE-WTI SURVEY RESPONSES

<u>Question</u>	<u>Reply</u>	<u>Question</u>	<u>Reply</u>
Asbestos	NO	Dioxins, Furans, or pre-cursors	NO
Explosive	NO	Gas	NO
Infectious Agents	NO	Radioactive	NO
Is this a dust hazard ?	NO	Air Reactive	NO
Water Reactive	NO	Carcinogen	YES
Lab Pack	NO	Oxidizer	NO
PCBs ? (If Yes, specify range)	NO	Pyrophoric	NO
Shock Sensitive	NO	Strong Odor	NO
Does WS Contain Benzene?	YES	Does WS Contain Water>=10%	YES
Is WS subject to control requirements of 40CFR61.340 to 61.358 ?	NOT APPLICABLE	If this is a liquid are there multiple layers ?	NO
Is the waste pumpable ?	NO	Will heat improve the flow ?	NO
Will solids pass through a 1/8-inch screen ?	NO	Flash Point	NA
Boiling Point	NA	pH	NA
BTU/lb	<3000	Miscellaneous Special Waste	NO

CHEMICAL CONSTITUENTS

Using specific chemical names, list all constituents present in the wastestream. Attach available analyses or Material Safety Data Sheets (MSDSs). Total composition must equal or exceed 100%.

TYPE - GENERATOR

<u>Constituents</u>	<u>Range</u>	<u>Units</u>	<u>CAS#</u>	<u>EHS</u>
BENZENE	1 - 5	PERCENT	71-43-2	
FREE LIQUID RANGE	25 - 25	PERCENT		
PPE	0 - 1	PERCENT		
SOLIDS, DIRT, GRIT, SCALE, SILICA ALUMINA CATALYST	55 - 75	PERCENT		
VIRGIN PETROLEUM PRODUCTS	5 - 15	PERCENT		
WATER	10 - 25	PERCENT	7732-18-5	

EHS - Extremely Hazardous Substance
CAS - Chemical Abstracts Service

CERTIFICATION

I hereby certify that all information submitted herein and attached contains true, accurate and complete descriptions of this waste. Any sample submitted for analysis is representative of the waste material being offered for approval as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize a sample to be obtained from any waste shipment for purposes of recertification. I will provide advance notice if the generator status or any other information on this form changes. Waste quantity information is a best estimate, and is not used as a limitation for receipt of waste shipments or quantities in excess of these estimated amounts. I have reviewed the physical facilities, administrative practices, and operational procedures (or have directed the completion of such a review) and based on this review do willingly make this certification.

Signature (Print) Judy S. BrackinSignature (Sign) Signature on file Date 6.6.2011

Company

Title

HERITAGE ENVIRONMENTAL SERVICES, LLC
WASTESTREAM SURVEY FORM
 (877)436-8778



www.heritage-enviro.com

Please review instructions before completing this form.

Heritage Use Only	
Quote #:	WS#:
Business Type: Repeatable: <input type="checkbox"/> Non-Repeatable: <input type="checkbox"/>	
Product	Price:
Code:	

Preferred TSD Location *:	Charlotte, NC <input type="checkbox"/>	Coolidge, AZ <input type="checkbox"/>	Indianapolis, IN <input type="checkbox"/>	Kansas City, MO <input type="checkbox"/>	Roachdale, IN: Hazardous Landfill <input type="checkbox"/> Non-Hazardous Landfill <input type="checkbox"/>	VRAW/WTI <input type="checkbox"/>
Service Location *:	Albany, NY <input type="checkbox"/>	Blaine, MN <input type="checkbox"/>	East Liverpool, OH <input type="checkbox"/>	Hammond, IN <input type="checkbox"/>	Lemont, IL <input type="checkbox"/>	
	Louisville, KY <input type="checkbox"/>	Signal Hill, CA <input type="checkbox"/>	St. Louis, MO <input type="checkbox"/>	Toledo, OH <input type="checkbox"/>	Tulsa, OK <input type="checkbox"/>	

1. GENERATOR INFORMATION (Heritage#) * Generator Name Sunoco, Inc (R&M) Address 3144 Passyunk Ave City, State, Zip Philadelphia, PA 19145 Tech. Contact Name Judy S. Brackin Phone 215-339-2634 Fax 866-302-2147 24 Hour Emergency Number 800-468-1760 E-mail Address jsbrackin@sunoco.com US EPA ID Number PAD049791098 State ID Numbers Status LQG <input checked="" type="checkbox"/> SQG <input type="checkbox"/> CESQG <input type="checkbox"/> Non-hazardous <input type="checkbox"/>	2. BILLING INFORMATION (Heritage #) * Customer Name Sunoco, Inc. (R&M) Address 3144 Passyunk Ave. City, State, Zip Philadelphia, PA 19145 Contact Name Nick Di Joseph Phone 215-339-7012 Fax 866-648-1767 E-mail Address 3. MANIFEST MAIL ADDRESS (If different from generator) Contact Name Judy Brackin Company Name Sunoco Inc. (R&M) Address 3144 Passyunk Ave. City, State, Zip Philadelphia, PA 19145
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4. Generator SIC Code 2911	If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If 28 __, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year? 147
5. Common Name Petroleum refinery primary oil/water separator sludge		
6. Process Generating Waste petroleum refinery process sewer system		
7. DOT Description * (if available) NA3077, HAZardous Waste, Solid N.O.S., (F037), 9, PGIII		
8. Identify US EPA waste codes F037		
9. If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/> If yes, list in Section 13.		
10. If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.		
11. US EPA Form Code *		US EPA Source Code *
12. Identify state waste codes		

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. Total composition must equal or exceed 100%.

Constituents	Range	Units	UHC?	F-Listed?
Solids - dirt, grit, scale, silica alumina catalyst	55-75	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Virgin petroleum products	5-15	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Water	10-25	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Benzene	1-5	%	Yes <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
At times may contain PPE	<1	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>

14. Color Black-Brown	Appearance Soil-like	Odor Slight
15. 15a. Chemical Properties		
Flash < 73 <input type="checkbox"/>	BTU/lb < 2,000 <input type="checkbox"/>	Solid <input checked="" type="checkbox"/>
Point (F°) < 100 <input type="checkbox"/>	2,000-8,000 <input type="checkbox"/>	Liquid <input type="checkbox"/>
100-140 <input type="checkbox"/>	8,000-10,000 <input checked="" type="checkbox"/>	Sludge <input type="checkbox"/>
141-200 <input type="checkbox"/>	> 10,000 <input type="checkbox"/>	Semi-solid <input type="checkbox"/>
> 200 <input type="checkbox"/>		Powder <input type="checkbox"/>
		Gas <input type="checkbox"/>
15b. Physical Properties at 70°F		
Boiling < 100 <input type="checkbox"/>	pH	% Solids 75
Point (F°) > 100 <input type="checkbox"/>	Range	% Liquids 25
Note: * These sections will be completed by Heritage if left blank.		

Common Name (same as Item #5): Petroleum refinery primary oil/water separator sludge

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.			
16a. Aerosols <input type="checkbox"/> Metal Powders <input type="checkbox"/> Air Reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Ammonia <input type="checkbox"/> Pathogen <input type="checkbox"/> Asbestos <input type="checkbox"/> Pesticide <input type="checkbox"/> Autofluorescent <input type="checkbox"/> Polymerizable <input type="checkbox"/> Biological <input type="checkbox"/> Pyrophoric <input type="checkbox"/> Carcinogen <input type="checkbox"/> Radioactive <input type="checkbox"/> Chelating Agent <input type="checkbox"/> Sanitary <input type="checkbox"/> Compressed Gas <input type="checkbox"/> Sharps <input type="checkbox"/> Dioxins <input type="checkbox"/> Shock Sensitive <input type="checkbox"/> Etiological <input type="checkbox"/> Spontaneously <input type="checkbox"/> Explosive <input type="checkbox"/> Combustible <input type="checkbox"/> Herbicide <input type="checkbox"/> Sulfide <input type="checkbox"/> Infectious <input type="checkbox"/> Temperature <input type="checkbox"/> Insecticide <input type="checkbox"/> Control Required <input type="checkbox"/> Lab Pack <input type="checkbox"/> Temperature <input type="checkbox"/> Medical <input type="checkbox"/> Sensitive <input type="checkbox"/> Metal Fines <input type="checkbox"/> Water Reactive <input type="checkbox"/>	16b. Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Total Halogens (TX) concentration? < 1000 PPM <input checked="" type="checkbox"/> > 1000 PPM <input type="checkbox"/>	16c. PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, PCB concentration? < 50 PPM <input type="checkbox"/> > 50 PPM <input type="checkbox"/> Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/>	
16d. Does this material require any special handling? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, explain: <u>Benzene waste organic NESHAP</u>			
16e. Volatile Organic Compound > 500 PPM? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		16f. Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, note the exclusion/exemption: _____	
16g. Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		16h. Additional Comments: _____	

17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Complete below) Transporter Name <u>SJ Transportation</u> Address _____ City, State, Zip _____ Contact/Phone _____ US EPA ID No. _____	18. Packaging: Bulk Liquid <input type="checkbox"/> Bulk Solid <input type="checkbox"/> Cu Yd Bag/Box <input checked="" type="checkbox"/> <u>20-30</u> Cylinder <input type="checkbox"/> Drum <input type="checkbox"/> Tote (Metal) <input type="checkbox"/> Tote (Poly) <input type="checkbox"/>	19. Volume: _____ _____ _____/Shipment
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20. Check or List Attachments: Lab Data <input type="checkbox"/> MSDS <input type="checkbox"/> Cylinder Form <input type="checkbox"/> Packing List <input type="checkbox"/> Other (list) <input type="checkbox"/>
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21. CERTIFICATION Sign and date the certification.			
I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.			
 Signature	<u>Judy S Brackin</u> Printed Name	<u>6/6/11</u> Date	<u>Sunoco, Inc. (Rtm)</u> Company

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)			
22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes <input type="checkbox"/> No <input type="checkbox"/>			
22b. Is this waste a listed waste? (U, P, K, or F codes) Yes <input type="checkbox"/> No <input type="checkbox"/>		22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).	
D001 (Ignitability) _____ D002 (Corrosivity) _____ D003 (Reactivity) _____	TCLP VOLATILES D018 Benzene _____ D019 Carbon Tetrachloride _____ D021 Chlorobenzene _____ D022 Chloroform _____ D028 1,2-Dichloroethane _____ D029 1,1-Dichloroethylene _____ D035 Methyl Ethyl Ketone _____ D039 Tetrachloroethylene _____ D040 Trichloroethylene _____ D043 Vinyl Chloride _____	TCLP SEMI-VOLATILES D023 o-Cresol _____ D024 m-Cresol _____ D025 p-Cresol _____ D028 Cresol _____ D027 1,4-Dichlorobenzene _____ D030 2,4-Dinitrotoluene _____ D032 Hexachlorobenzene _____ D033 Hexachlorobutadiene _____ D034 Hexachloroethane _____ D036 Nitrobenzene _____ D037 Pentachlorophenol _____	D038 Pyridine _____ D041 2,4,6-Trichlorophenol _____ D042 2,4,6-Trichlorophenol _____ HERBICIDES & PESTICIDES D012 Endrin _____ D013 Lindane _____ D014 Methylchlor _____ D015 Toxaphene _____ D016 2,4-D _____ D017 2,4,5-TP (Silvex) _____ D020 Chlordane _____ D031 Heptachlor _____
TCLP METALS D004 Arsenic _____ D005 Barium _____ D006 Cadmium _____ D007 Chromium _____ D008 Lead _____ D009 Mercury _____ D010 Selenium _____ D011 Silver _____			

Higgins, John

From: Leonards, Mary Linn
Sent: Tuesday, June 07, 2011 10:34 PM
To: Higgins, John
Subject: Fw: Profiles

Managing Eastern PA, NJ, MD, DC and DE
P. 215.606.7880

From: BRACKIN, JUDY S [mailto:JSBRACKIN@sunocoInc.com]
Sent: Tuesday, June 07, 2011 05:25 PM
To: Leonards, Mary Linn
Subject: RE: Profiles

Mary Linn,

Most of the material is general dirt and solids that would enter the sewer system. The scale would be normal hard water type of scale and rust and the grit would be solids or natural grit that is typically present in crude oil. These 3 wastes are typical refinery listed wastes and are expected to have the make up of typical petroleum refinery primary wastewater sludge, heat exchanger bundle sludge and API oil/water separator sludge.

Judy S. Brackin
Sr. Environmental Consultant
Sunoco, Inc. (R&M) Philadelphia Refinery
3144 Passyunk Ave.
Philadelphia, PA 19145
215-339-2634
Fax 866-302-2147
jsbrackin@sunocoInc.com

From: Leonards, Mary Linn [mailto:Marylenn.Leonards@heritage-enviro.com]
Sent: Tuesday, June 07, 2011 9:44 AM
To: BRACKIN, JUDY S
Cc: DIJOSEPH, NICHOLAS W
Subject: RE: Profiles

Hi Judy,
Approvals is asking what the grit and scale material is on the profiles.

Mary Linn Leonards
Managing Eastern PA, NJ, DE, and MD
Heritage Environmental Services, LLC
Phone: 215.606.7880
Fax: 484.991.8652

From: BRACKIN, JUDY S [mailto:JSBRACKIN@sunocoInc.com]
Sent: Monday, June 06, 2011 5:34 PM
To: Leonards, Mary Linn
Cc: DIJOSEPH, NICHOLAS W
Subject: RE: Profiles

Mary Linn,

6/8/2011

Attached are the waste profiles for F037 (Primary Sludge), K050 (Bundle Sludge), and K051 (API Separator Sludge).

Let me know if you have any questions.

Thanks,

Judy

Judy S. Brackin
Sr. Environmental Consultant
Sunoco, Inc. (R&M) Philadelphia Refinery
3144 Passyunk Ave.
Philadelphia, PA 19145
215-339-2634
Fax 866-302-2147
jsbrackin@sunocoinc.com

From: Leonards, Mary Linn [mailto:Marylinn.Leonards@heritage-enviro.com]
Sent: Monday, June 06, 2011 12:30 PM
To: BRACKIN, JUDY S
Subject: Re: Profiles

No problem. Thank you!
Managing Eastern PA,NJ, MD,DC and DE
P. 215.606.7880

From: BRACKIN, JUDY S [mailto:JSBRACKIN@sunocoinc.com]
Sent: Monday, June 06, 2011 12:28 PM
To: Leonards, Mary Linn
Subject: RE: Profiles

Mary Linn,

I found a copy of the blank profile form and am filling them out this afternoon. I have a couple of meetings this afternoon but should get them to you by the end of today

Thanks,

Judy

Judy S. Brackin
Sr. Environmental Consultant
Sunoco, Inc. (R&M) Philadelphia Refinery
3144 Passyunk Ave.
Philadelphia, PA 19145
215-339-2634
Fax 866-302-2147
jsbrackin@sunocoinc.com

From: Leonards, Mary Linn [mailto:Marylinn.Leonards@heritage-enviro.com]
Sent: Monday, June 06, 2011 12:25 PM
To: BRACKIN, JUDY S
Subject: Re: Profiles

Hi Judy
Hope you had a great weekend!

6/8/2011

Just checking in on the profiles. Let me know if you need some assistance.

Regards ML

Managing Eastern PA,NJ, MD,DC and DE

P. 215.606.7880

From: Leonards, Mary Linn

Sent: Thursday, May 26, 2011 02:56 PM

To: BRACKIN, JUDY S <JSBRACKIN@sunocoilnc.com>

Subject: Profiles

Hi Judy,

Just checking in to see if you had a chance to complete the profiles for the F037 material, API and Bundle solids material.
The samples will be at the lab tomorrow.

Thanks!

ML

Mary Linn Leonards

Managing Eastern PA, NJ, DE, and MD

Heritage Environmental Services, LLC

Phone: 215.606.7880

Fax: 484.991.8652

6/8/2011

NEW WASTESTREAM INFO SHEET

Waste Stream #

96406-14

WASTE CLASS <u>200</u>		Benzene NESHA? <u>Y</u> N NS WA NA		Sample % <u>10</u>																											
SOURCE CODE <u>909</u>		Benzene NESHA form? Y N		HMIS Information																											
FORM CODE <u>W407</u>				Health <u>2*</u>																											
LDR Req? <u>PR</u> OT D NA IP		LDR WW: <u>Y</u> N NA	LDR Cert: <u>I</u>	Flammable <u>1</u>																											
				Reactive <u>0</u>																											
				PPE <u>52</u>																											
Subcategory: <u>-1</u>			UTS Code: <u>-1</u>																												
Con Ranges:																															
<table border="0"> <tr> <td>Aluminum</td> <td>Chlorine</td> <td>Nitrogen</td> </tr> <tr> <td>Antimony</td> <td>Chromium</td> <td>Phosphorus</td> </tr> <tr> <td>Arsenic</td> <td>Fluorine</td> <td>Potassium</td> </tr> <tr> <td>Ash</td> <td>Iodine</td> <td>Selenium</td> </tr> <tr> <td>Barium</td> <td>Lead</td> <td>Silicon</td> </tr> <tr> <td>Beryllium</td> <td>Lithium</td> <td>Silver</td> </tr> <tr> <td>Bromine</td> <td>Magnesium</td> <td>Sodium</td> </tr> <tr> <td>Cadmium</td> <td>Mercury</td> <td>Sulfur</td> </tr> <tr> <td>Calcium</td> <td>Nickel</td> <td>Tellurium</td> </tr> </table>					Aluminum	Chlorine	Nitrogen	Antimony	Chromium	Phosphorus	Arsenic	Fluorine	Potassium	Ash	Iodine	Selenium	Barium	Lead	Silicon	Beryllium	Lithium	Silver	Bromine	Magnesium	Sodium	Cadmium	Mercury	Sulfur	Calcium	Nickel	Tellurium
Aluminum	Chlorine	Nitrogen																													
Antimony	Chromium	Phosphorus																													
Arsenic	Fluorine	Potassium																													
Ash	Iodine	Selenium																													
Barium	Lead	Silicon																													
Beryllium	Lithium	Silver																													
Bromine	Magnesium	Sodium																													
Cadmium	Mercury	Sulfur																													
Calcium	Nickel	Tellurium																													
Emergency Response Info: <u>solid PPE = 2</u> <u>typical ER do a hazardous</u>																															
Processing Instructions: <u>Normal Processing</u> <u>1 unit Schmelz to 3 bags per unit</u>																															
This material needs packed in _____ lb charges and will be processed through the front wall of the kiln. This material will be processed through the front wall of the kiln and cannot be processed through the bulk solids storage area. This material will be processed through Direct Drum Pumpout This material will be processed through Direct Tanker (South/East). This material will be processed through the Skip Hoist and cannot be processed through the bulk solid storage area. This material needs packaged in 5 gallon pails filled to half the volume or a maximum of five 1-gallon containers per overpack. This will be processed through the front wall of the kiln. The material will be processed through the Third-Party Program. The material will be processed through the Fuels Program. Heritage-WTI Repack? <u>Y</u> N Temperature Controlled Information: The kiln must be operational to receive this material. This material requires special scheduling.																															
Agency Comments:																															
Dilution Rule:																															
This material is not prohibited from combustion as per 40 CFR 268.3 because:																															
_____ it contains hazardous organic constituents or cyanide above the treatment standard in 268.48																															
_____ it consists of organic debris																															
_____ it has a BTU value of greater than or equal to 5000 BTU/LB																															
_____ it was co-generated with a waste for which combustion is a required method of treatment																															
_____ it is subject to Federal and/or State requirements necessitating reduction of organics																															
_____ it contains greater than 1% of TOC																															
Conditional Approval:																															
Heritage-WTI is requesting conditional approval to collect the Pre-Acceptance when the first shipment is received at the facility.																															
3 rd Party Pre-acceptance Pre-acceptance sample to be taken when 1 st shipment arrives at the facility. 3 rd Party Waste Transfer Only																															
Internal Comments: 10-day sampling? Y N																															
Label Message: DNO NSR DNI DO NOT INCIN																															
MSW? Y <u>N</u>																															
1A 1B 1C 1D 1E																															
2A 2B 2C																															
3A 3B																															
BTU 1 2 3 4 <u>use analytical</u>																															
Automatic Hold: Y N																															
Message: _____																															
Prod / Proc Codes: <u>7039</u> <u>2281</u>																															



HERITAGE-WTI, INC.
1250 St. George Street
East Liverpool, Ohio 43920-3400
Phone: 330-385-7337
Fax: 330-385-7813
Web Site: www.heritage-wti.com

OHSAS 18001: 2007
ISO 14001: 2004
ISO 9001: 2008

June 10, 2011

Sunoco Incorporated Refinery
3144 Passyunk Avenue
Philadelphia, PA 19145

RE: Generator ID Number:	PAD049791098
Waste Profile:	96406-14
Waste Name:	PETROLEUM REFINERY PRIMARY OIL

Dear Judy Brackin

HES-WTI is providing you this written notice in accordance with 40 CFR 264.12(b) and OAC 3745-54-12(B). Under these regulations, the owner and operator of a treatment, storage, and disposal facility (TSDF) that receives hazardous waste from an off-site generator must inform the generator, in writing, that they have the appropriate permits and will accept the waste that the generator is shipping.

Heritage coordinated the approval of wastestream 96406-14 into our facility. HES-WTI has the appropriate permits and will accept wastestream 96406-14.

This waste will be treated on-site at HES-WTI's East Liverpool, Ohio facility.

Sincerely,

A handwritten signature in cursive script that reads 'Zambia Logero'.

Zambia Logero
Waste Approval Manager
Heritage

